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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/840,067	05/05/2004	Cary A. Jardin	10559/255002/P8904C	6651

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EXAMINER

MIRZA, ADNAN M

ART UNIT	PAPER NUMBER
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2145

NOTIFICATION DATE	DELIVERY MODE
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09/17/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

Office Action Summary	Application No. 10/840,067	Applicant(s) JARDIN ET AL.	
	Examiner ADNAN M. MIRZA	Art Unit 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7,9 and 11-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7,9 and 11-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7, 9, 11-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Banga et al (U.S. 5,931,904) and further in view of Smith et al (U.S. 7,139,844).

As per claims 1,6,11 Banga-Smith disclosed a method of enhancing data delivery comprising: sending a first packet from a client interface to a remote terminal at a first time; receiving at the client interface a second packet from the remote terminal at a second time (col. 3, lines 22-36); providing a plurality of different content versions, each is having a different amount of information, each content version being optimized for a specific connection speed (col. 3, lines 3-15); based on said determined connection speed, automatically selecting a content version from said plurality of content versions; and is providing the remote terminal with the selected content version (col. 5, lines 32-47).

However Banga-Smith did not disclose, “determining a response time of the remote terminal at the client interface based on a time period between the first time and the second time; using said

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response time to determine information related to a connection speed between the remote terminal and the client interface”.

In the same field of endeavor Smith disclosed, “Alternatively the client session can periodically issue a test message to the client and measure the period of time before a response time from the client is received (col. 17, lines 39-43)”.

It would have been obvious to one having ordinary skill in the art at the time of the invention was made to have incorporated alternatively the client session can periodically issue a test message to the client and measure the period of time before a response time from the client is received as taught by Smith in the method and system of Banga-Smith to provide a data delivery mechanism which dynamically adjusts transmission rates to the speed at which a client can receive and process data while ensuring that updated data received by a client is current.

3. As per claim 2 Banga-Smith disclosed further comprising determining a data flow rate from the determined response time of the remote terminal, and wherein the determining the response time comprises: starting a timer at the first time when the client interface sends the first packet to the remote terminal; and stopping the timer at the second time when the client interface receives the second acknowledgement packet from the remote terminal (Banga, col.. 6, lines 53-66).

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4. As per claims 3,13 Banga-Smith disclosed further comprising determining network congestion based on the determined response time (Banga, col. 4, lines 29-47).

5. As per claims 4,14 Banga-Smith disclosed further comprising determining the response time based on a timing of a handshake between the remote terminal and the client interface (Banga, col. 1, lines 58-67 & col. 2, lines 1-4).

6. As per claim 5 Banga-Smith disclosed further comprising selecting the content version in response to a request for a content version from the remote terminal, wherein the selected content version is different from a requested content version (Banga, col. 13, lines 12-24).

7. As per claim 7 Banga-Smith disclosed further comprising determining a data flow rate from the remote terminal based on the response time (Banga, col. 4, lines 29-47).

9. As per claim 9 Banga-Smith disclosed further comprising determining a network congestion based on the determined response time (Banga, col. 4, lines 29-47).

10. As per claims 10,12 Banga-Smith disclosed wherein the instructions further cause the machine system to connect the remote terminal to the server.

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11. As per claim 15 Banga-Smith disclosed wherein determining the response time further comprises: sending the first packet from the client interface to the remote terminal; and receiving the second packet at the client interface from the remote terminal (Banga, col. 9, lines 43-50).

12. As per claim 16 Banga-Smith disclosed further comprising determining that the remote terminal cannot handle the requested content version if the requested content is too large in size for the remote terminal to present, and wherein the alternative content version is smaller in size than the requested content version (Banga, col.9, lines 51-57) .

Response to Arguments

13. Applicant's arguments filed 08/05/2008 have been fully considered but they are not persuasive. Response to applicants arguments are as follows.

A. Applicant argued that Banga did not disclose, "Determining a response time of the remote terminal at the client interface based on a time period between the first time and the second time".

As to applicant's argument Banga disclosed, "The remote proxy determines whether or not the newly received data differ from the cached data. This could be determined by an actual file comparison or by comparing date/time stamps. Alternatively, the newly received data may

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simply be a message from the content provider that the version that was cached is still current" (col. 11, lines 58-63).

B. Applicant argued that Banga did not disclose, "Based on said determined connection speed, automatically selecting a content version from said plurality of content versions".

As to applicant's argument Banga disclosed, "At step 659, difference data are determined whether or not there are partial differences being held (the first time though, the answer will always be no). If not then at test 61, it is determined whether or not the size of the current partial difference exceeds a minimum threshold for transmission as discussed above. If not the size of the current partial difference exceeds a minimum threshold for transmission as described by (col. 12, lines 28-34).

C. Applicant argued that prior art did not disclose, "To choose between broadcasting either differential data or new data based on computational availability and speed at a user station or network travel time".

As to applicant's argument regarding applicant's interpreted claim language Banga disclosed, "at present computational speed and ability at the user station is more readily available, and cheaper than a faster connection. Thus the invention relies on the retrieval of a cached version of a requested page and the subsequent transmission from the remote proxy to the local proxy of only the differences between the cached version and the current version. The user station, using its

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relatively fast and cheap computational resources, reconstructs the, reconstructs the current page from the cached version and the received different data (col. 3, lines 2-14)

D. Applicant argued that prior art did not establish, "Prima facie case of obviousness".

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, Smith taught in the method and system of Banga-Smith to provide a data delivery mechanism which dynamically adjusts transmission rates to the speed at which a client can receive and process data while ensuring that updated data received by a client is current.

Conclusion

14. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

15. The examiner can normally be reached on Monday to Friday during normal business hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-746-7239. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

16. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

Adnan Mirza

/A. M. M./

Examiner, Art Unit 2145

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145